

SECTION I—SPECIFICATION AMENDMENTS

1. Please replace the paragraph beginning at page 10, line 17, with the following amended paragraph:

Figure 8 illustrates yet another alternative embodiment of the impedance matching unit 404 that can be used in the filters 400, 425 and 450. The impedance matching unit 404 shown in Figure 8 is an embodiment of a balanced/unbalanced circuit, also commonly known in the art as a “balun” circuit. In many applications, the output from a filter must be differential to reduce noise. Baluns are often used to transform a single filter output into a balanced differential output. The balun shown in Figure 8 comprises a pair of elements 802 and 804 connected in parallel to the output of the FBAR filter 402. The elements are denoted generally by the letter X , because they can be any of several elements. In one particular embodiment, the elements 802 and 804 will be a capacitor and an inductor, or vice versa, so that

$$|X| = \omega L \text{ or}$$

$$|X| = \frac{1}{\omega C},$$

as the case may be. A pair of elements 806 and 808 are connected in series between the output of the element 802 and the output of the element 804; as with elements 802 and 804, the elements 806 and 808 are denoted with the letter X and will be a capacitor and an inductor, respectively, or vice versa. For the balun shown in Figure 8, impedance matching is achieved by requiring:

$$|X| = \frac{|Z_0|}{\sqrt{\alpha}}$$

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